



October 10, 2000  
Project No. 97664V3

Ms. Brenda Pohlmann  
Nevada Division of Environmental Protection  
555 E. Washington, Suite 4300  
Las Vegas, NV 89101-1049

PROVIDING

- Geotechnical Engineering
- Construction Materials Testing
- Environmental Site Assessments
- Drilling Services

**RE:** *Results of monthly surface water sampling of the Las Vegas Wash at the Northshore Road bridge.*

Dear Ms. Pohlmann:

Per your request, Geotechnical & Environmental Services, Inc. (GES) obtained a surface water sample from the Las Vegas wash on September 27, 2000 near the Northshore Road Bridge. We sent this sample, under chain-of-custody protocol, to NEL Laboratories (NEL) for laboratory analysis of perchlorate. NEL's analysis revealed a perchlorate concentration of 430 micrograms per Liter ( $\mu\text{g/L}$ ). The NEL report is included with this letter, along with the Perchlorate Summary Table for 2000.

Our services were performed using that degree of care and skill ordinarily exercised under similar circumstances by reputable engineering firms in this or similar localities. No other warranty, either express or implied, is included or intended in this report. We appreciate this opportunity to provide our services. If you have any questions regarding these results, please feel free to call us at 365-1001.

Sincerely,  
Geotechnical & Environmental Services, Inc.

Daniel C. Burns, C.E.M.\*  
#1692 (Expires 10/07/2001)  
Project Manager

Gregory P. DeSart, P.E., C.E.M.  
#1172 (Expires 12/22/2000)  
President

\* "I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations and ordinances."

Enc: 2000 Perchlorate Summary Table  
NEL Analytical Report

Dist: 1 faxed to addressee at 486-2863  
1 original mailed to addressee  
cc: fax to Jeff Gibson, American Pacific Corporation  
cc: mail to Kevin Mayer, USEPA SFD 72, 75 Hawthorne Street, San Francisco, CA 94105  
cc: to project file 97664V3

7560 W. Sahara Ave., Suite 101 Las Vegas, NV 89117  
(702) 365-1001 • Fax (702) 341-7120  
www.gesnevada.com

**Las Vegas Wash at Northshore Road Bridge  
2000 Summary of Perchlorate Concentrations**

<b>Date Sampled</b>	<b>Perchlorate (µg/L)</b>
1/27/00	569
2/28/00	720
3/29/00	870
4/27/00	750
5/30/00	740
6/28/00	410
7/27/00	650
8/28/00	510
9/27/00	430

# NEL LABORATORIES

Reno • Las Vegas • Boise  
Phoenix • Sacramento

Las Vegas Division  
4208 Arcata Way, Suite A • Las Vegas, NV 89030  
(702) 857-1010 • Fax: (702) 857-1577  
1-888-368-3232

CLIENT: Geotechnical & Env. Serv.  
7560 West Sahara Ave. #101  
Las Vegas, NV 89117  
ATTN: Dan Burns

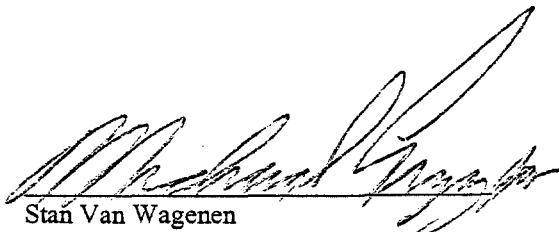
PROJECT NAME: FPF  
PROJECT NUMBER: 97664 V3

NEL ORDER ID: L0009310

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 9/27/00.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

  
Stan Van Wagenen  
Laboratory Manager

10/16/00  
Date

## CERTIFICATIONS:

	<u>Reno</u>	<u>Las Vegas</u>	<u>S. California</u>
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	<u>Reno</u>	<u>Las Vegas</u>	<u>S. California</u>
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

# NEL LABORATORIES

CLIENT: Geotechnical & Env. Serv.  
PROJECT ID: FPF  
PROJECT #: 97664 V3

CLIENT ID: North Shore Road Bridge  
DATE SAMPLED: 9/27/00  
NEL SAMPLE ID: L0009310-01

TEST: Inorganic Non-Metals  
MATRIX: Aqueous

<u>PARAMETER</u>	<u>RESULT</u>	<u>R. L.</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Perchlorate	430	40.	10	EPA 314	µg/L	10/3/00

R.L. - Reporting Limit  
D.F. - Dilution Factor  
ND - Not Detected

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# NEL LABORATORIES

CLIENT: Geotechnical & Env. Serv.  
PROJECT ID: FPF  
PROJECT #: 97664 V3  
TEST: Non-Metals

CLIENT ID: Method Blank  
DATE SAMPLED: NA  
NEL SAMPLE ID: 001003CLO4-BLK

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>D. F.</u>	<u>METHOD</u>	<u>UNITS</u>	<u>ANALYZED</u>
Perchlorate	ND	4	1	EPA 314	µg/L	10/3/00

D.F. - Dilution Factor

ND - Not Detected

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